General Environmental Incident Summary

Incident: 3302 ***Date/Time Notice:*** 5/1/2014 04:40 ***DEM Incident No:***

Responsible Party: QC Energy Resources

Date Incident: **4/28/2014** ***Time Incident:*** 1445 ***Duration:*** 6 hours

County: Dunn ***Twp:*** 145 ***Rng:*** 95 ***Sec:*** 30 ***Qtr:*** NE NW NE

Lat: 47.35760 ***Long:*** -102.82840 ***Method:*** Interpolation from map

Location Description: Hwy 200, 3 miles west of Killdeer, on south side of the highway.

Submitted By: Kris Roberts ***Affiliation:*** ND DoH Response Team

Address: 918 E. Divide Ave
4th Floor

City: Bismarck ***State:*** ND ***Zip:***

Received By: Shane Clary ND DOH - AQ

Contact Person: Wade Holverson
10454 1st St SW
Killdeer, ND 58640

Distance Nearest Occupied Building: 0.69 Miles ***Release Contained:*** No

Type of Incident: Vehicle Accident

Description of Released Contaminant: **Crude Oil, with possibility of other vehicle engine fluids**

Volume Spilled: **35.00 barrels** ***Ag Related:*** No

EPA Extremely Hazardous Substance: Unknown ***Reported to NRC:*** Yes

Cause of Incident:

Wet/snowy conditions contributed to the accident. Appears right side wheels got off pavement and driver was unable to regain control. Vehicle rolled onto right side into the highway ditch.

Risk Evaluation:

Fire, aquatic environment impact.

# of Fatalities: 0 ***# of Injuries:*** ***Affected Medium:*** 04 - water and soil

Potential Environmental Impacts:

Impact to tributary to Murphy Creek, which flows into Lake Ilo. Incident location is adjacent to and impacts livestock pasture on both sides of Hwy 200. Land manager of the property has been informed and consents to cleanup activities.

Action Taken or Planned:

HP, Killdeer fire, County Sheriff, and Dunn County Emergency manager responded. County EM called for Marathon response trailer. QC Trucking used ground corn cob as absorbent to attempt control of oil running from ditch into the creek that runs under the highway 200 feet from the accident site. State DoH and USEPA Response arrived on location at approximately 16:30 and determined downstream extent of release into the creek. Marathon response trailer and personnel, and Clean Harbors personnel arrived on location approximately 16:50. DoH Response directed and placed absorbent booms and pads to interdict downstream flow, then used sheet plastic to form a crude

underflow dam to contain most of release at point approximately 400 feet downstream of the highway culvert, on the north side of the highway.
Clean Harbors response trailer reported to have arrived at approximately 18:00, and took over as incident command. DoH and USEPA Response left scene at 17:17, due to air transport requirement.

Wastes Disposal Location: Crude oil will be recovered and recycled. Disposal of contaminated soil and other debris yet to be determined.

Agencies Involved: NDDES, State Highway Patrol, Local Fire Department, Local Law Enforcement, Local Emergency Manager, USEPA OSC

Updates

Date: 4/29/2014 ***Status:*** Inspection ***Author:*** Roberts, Kris

Updated Volume:

Notes:

4/29/14 - 10:30 - en route to location. Received call from US EPA OSC alerting that the NRC report of the incident had not been received, as had been directed while at the scene on 4/28. Roberts then checked with county emergency manager to determine if the NRC Flash Fax had been received there: no.
11:15 - Roberts arrived at QC office north of Killdeer and spoke with representatives there, explaining the need and consequences for not reporting the incident to NRC within the appropriate time interval after the oil was determined to have entered into the creek. QC was under the impression that its response contractor, Clean Harbors, had submitted that report. As Roberts left the office, further checking showed that a report had been submitted to NRC at 11:57 (CDT) this date by Clean Harbors.
12:00 - on location. Only one Clean Harbors person was on site and one vacuum truck was situated at the downstream collection point. Other crew had been sent back for rest. Inspection of the upstream area revealed that crude oil had not only flowed down the highway ditch, but it had also flowed out of the ditch to the south into a small (likely spring-fed) wetland in the adjacent pasture, which then flows into the creek just inside the pasture fence. The wetland is fully inundated with crude oil and is flowing into the creek.
After inspection of the downstream collection point and determining that there was only oil sheen there, Roberts suggested that the vacuum truck be re-positioned to the south side of the highway to intercept the oil coming out of the wetland into the creek, instead of waiting for it to flow the 400 feet to the collection point. On-scene Clean Harbors person decided to wait for his replacement before making the deployment change.
Photos with embedded GPS were taken to document situation and the downstream extent of impacts and inspection.
When new Clean Harbors IC arrived, Roberts was informed that he would not make the change until his full crew arrived to do traffic control. Full crew arrived approximately 14:00, and additional vacuum trucks were positioned (original was left at the downstream collection point) above and below the highway culvert, with traffic reduced to one lane.
With full crew there, further collection and impacted soil remediation was to begin.
15:15 - Roberts left the scene for other inspections.

Date: 5/1/2014 ***Status:*** Inspection ***Author:*** Roberts, Kris

Updated Volume: 40.00 barrels

Notes:

04/28/2014 - 16:40 on location with US EPA OSC Joyel Dhieux. Met with County Emergency Manager Denise Brew and assessed the impact situation. Crude oil and oil sheen was moving down the creek to the north and east. Extent of movement at time of initial assessment was approximately 500-600 feet downstream from the culvert under Hwy 200.
At time of arrival, all efforts (including vac trucks and absorbents) were being focused on the south side of Hwy 200, where the oil was flowing into the creek. NDDoH and US EPA response redirected some of the effort to the downstream area to interdict the oil flow. Marathon Response trailers arrived in response to request by Mrs. Brew approximately 16:45, and absorbent boom and absorbent pads began to be deployed in the downstream area. At the downstream end of a pool 350 feet downstream of the highway culvert, a collection point was chosen and sheet plastic was used to create a crude underflow dam to prevent further oil migration. Clean Harbor's personnel arrived during this last action (as QC's response contractor) and took over incident command.
NDDoH and US EPA left the scene at 17:17 to get US EPA to Minot airport for evening flight.

Date: 7/16/2014 ***Status:*** Inspection ***Author:*** Stockdill, Scott

Updated Volume:

Notes:

Arrived on location at 13:01 7/16/2014.

Took photos of the location. Small amount of oil sheen visible on the edges of the creek. Area not reseeded. There are aquatic vertebrates actively using the creek. There is some visible gley or impacted clay in the area.